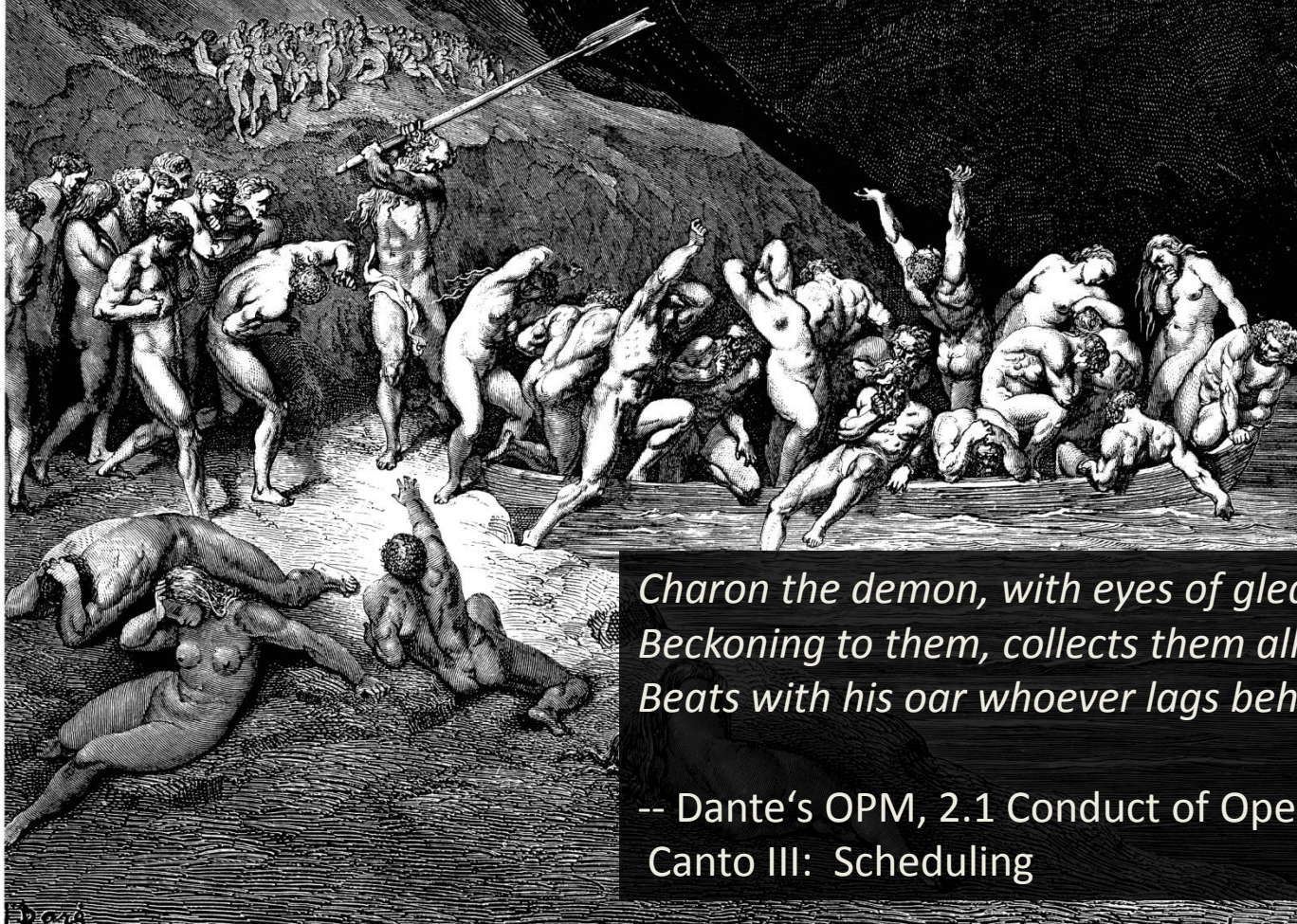


RHIC Status

Time Meeting

1/13/2015



*Charon the demon, with eyes of glede,
Beckoning to them, collects them all together
Beats with his oar whoever lags behind*

-- Dante's OPM, 2.1 Conduct of Operations
Canto III: Scheduling

RHIC Status/To Do List

- Hardware installations (see Paul's talk)
 - Elens, pre-fire masks, *abort kickers...*
- Dry run: over last week
 - Remains to test ramp with new lattice
 - 'New lattice' = optimized phase advances for elens, nonlinear chrom
- AGS extraction to W-dump

January 2015

Mon	Tues	Wed	Thurs	Fri	Sat	Sun
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
	BLUE COOLDOWN/Power supply work				OWL: B inj/capture	
					DAY/EVE: p.s. work	
OWL: B inj/capture/ramp		28	29	30	31	1
		OWL: B/Y beam work		OWL: B/Y beam work		
				DAY: p.s. work		
	DAY/EVE: p.s. work			EVE: B/Y beam work		

January 2015

Mon	Tues	Wed	Thurs	Fri	Sat	Sun
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
<div>OWL: B inj/capture/ramp</div>	BLUE COOLDOWN/Power supply work			<div>OWL: B inj/capture</div> <div>DAY/EVE: p.s. work</div>		
	DAY/EVE: p.s. work			<div>DAY: p.s. work</div> <div>EVE: B/Y beam work</div>		

FIRST 9 AM meeting!
1/22



February 2015

Mon	Tues	Wed	Thurs	Fri	Sat	Sun
26	27	28	29	30	21	1
				OWL: B/Y beam work		
				DAY/EVE: p.s. work		
				EVE: B/Y beam work		
2	3	4	5	6	7	8
ALL: Ramping and store setup		OWL: STORES		DAY: Intensity inc, mop-up		
		DAY/EVE: Intensity inc.		EVE: STORES		
9	10	11	12	13	14	15
Target physics date						
16	17	18	19	20	21	22
23	24	25	26	27	28	1

Potential speed bumps

- Apertures (the first turn is the worst turn)
 - IR2, 4 DXs moved, 9 MHz cavity
 - Abort kicker and dump reinstallation
 - IR6: Roman pot, DX-D0 chamber installation, beampipe resurvey
- New lattice
 - Revamped ramping software
 - Special handling of DX angles
 - New q-trim p.s.

Links

- Run page: <http://www.cadops.bnl.gov/AP/Spin2015/>
 - <http://www.agsrhichome.bnl.gov/AP/Spin2015/> (outside firewall soon)
- Run plan:
 - http://www.cadops.bnl.gov/AGS/Operations/OpsWiki/index.php/RHIC_Setup:_Polarized_Protons
 - (specific dates get obsolete very quickly)

The Relativistic Heavy Ion Collider Run-15 Polarized Protons Operation at 100 GeV with pp2pp

[[STAR](#)] [[PHENIX](#)] [[Machine/Detector Planning](#)]
[[Scheduling Physicist](#)] [[Accelerator Physics Experiments](#)]

		Run-12	Run-15
E	GeV	100	100
L_{peak}	$10^{32} \text{cm}^{-2} \text{s}^{-1}$	1.65	??
L_{avg}	$\text{pb}^{-1}/\text{week}$	9.3	??
P_{avg}	%	59	??

[[C-AD Broadcast](#)] [[Ring Temperatures](#)] [[Elogs](#)] [[OC Elog](#)] [[PPParameters \(Gardner\)](#)] [[Configuration Control](#)]
[[DryRun](#)] [[Training Presentations](#)] [[RHIC Runs overview](#)] [[Accelerator Division](#)]
RHIC
[[PP Elog](#)] [[Shift Leaders Schedule](#)] [[Dry Run Wiki](#)] [[Run Plan](#)] [[Recipes](#)] [[Plan of the Day](#)]
[[Polarimeter](#)] [[Spin Patterns](#)]
[[Speedbumps](#)] [[Carbon CNI Analysis](#)] [[Jet Analysis](#)] [[Accelerator Performance Plots](#)]
AGS
[[PP Elog](#)] [[Shift Leaders Schedule](#)] [[Run Plan](#)] [[Recipes](#)]

Main machine parameters

No of bunches	PHENIX 109 / STAR 100
Protons/bunch	2.3×10^{11}
Blue Ramp working point	Qx, Qy: (29.685, 30.673)

Luminosity projection

100 GeV $p\uparrow + p\uparrow$ projection for Run-15